

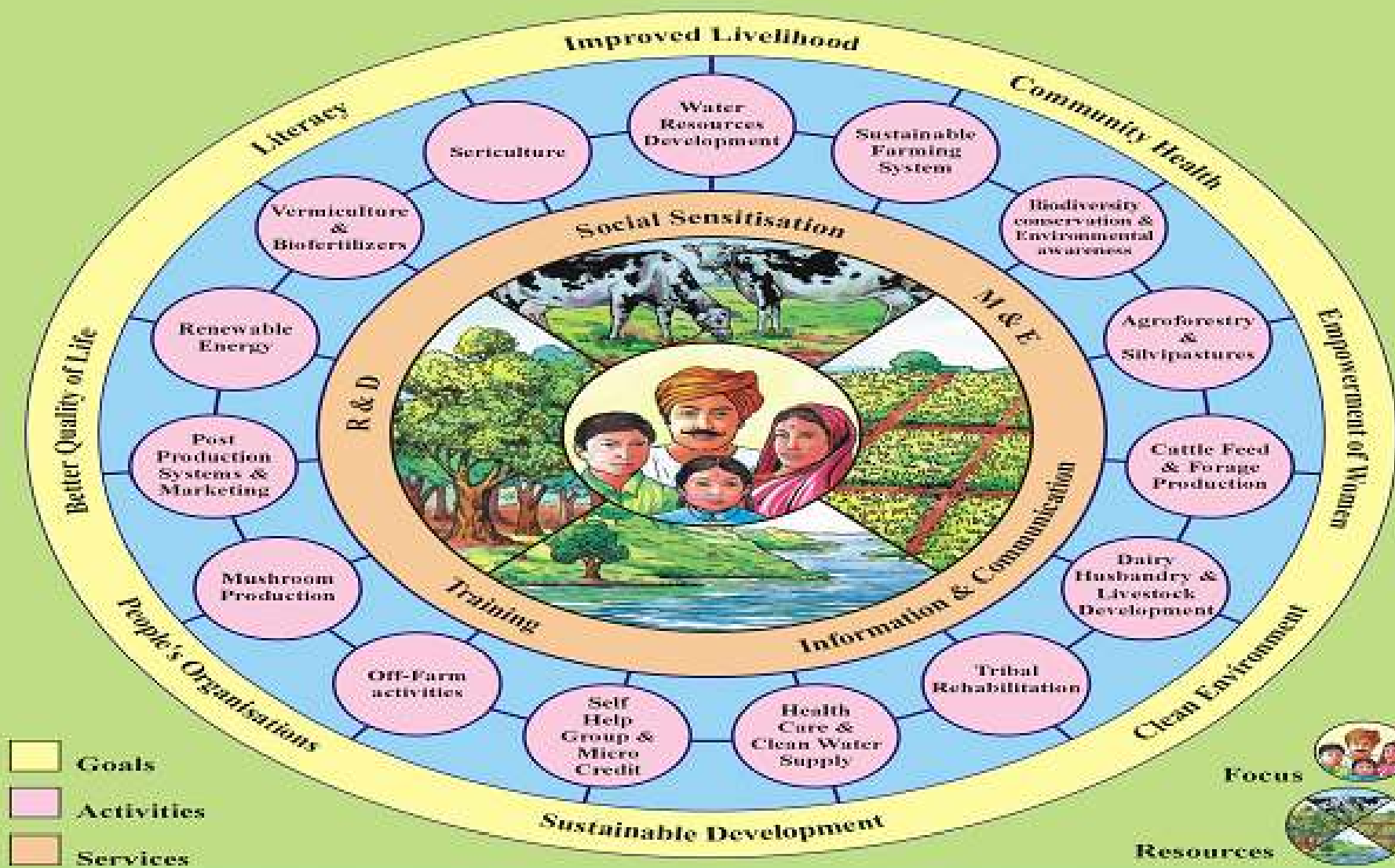
Experiences and scope of Biomethanation in Rural areas

Dr. Suresh B Gokhale
Director Research
BAIF, Uruli Kanchan

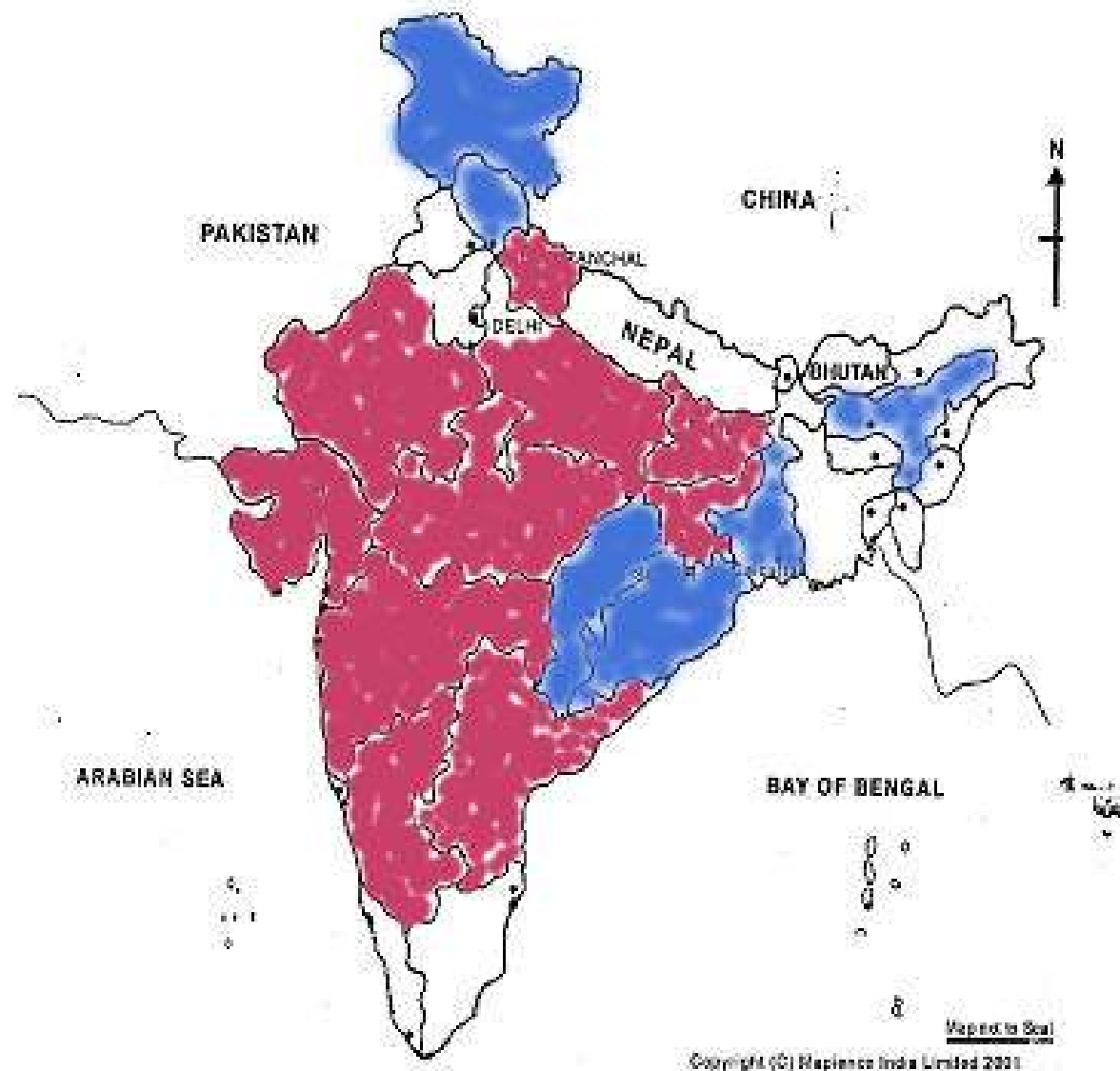
World Scenario

- World Agricultural Report 2008
- World Agricultural Research, Extension and Education report

HOLISTIC PROGRAMME APPROACH



STATES COVERED BY BAIF PROGRAMME



Existing



Proposed

Programme Coverage

States	12
Centres	1600
Villages	45,000
Families	2.5 million
Livestock	5 million







Existing status

- More than two third population lives in villages
- Sustenance on seasonal Agriculture
- Small land holding
- Poverty necessitating support of agriculture associated activities for Livelihood.

Existing status (contd)

- Non /partial availability of energy for
 - Family needs
 - Agriculture irrigation
 - Transport
 - Social and commercial activities

Sources of Energy

- Natural Oil, Gas and coal
- Solar Energy
- Hydro energy
- Wind energy
- Bio energy

Sources of Substrates for Biomethanation

- Animal Wastes
- Food processing Wastes
- Agricultural Residues and Byproducts
- Miscellaneous substrates



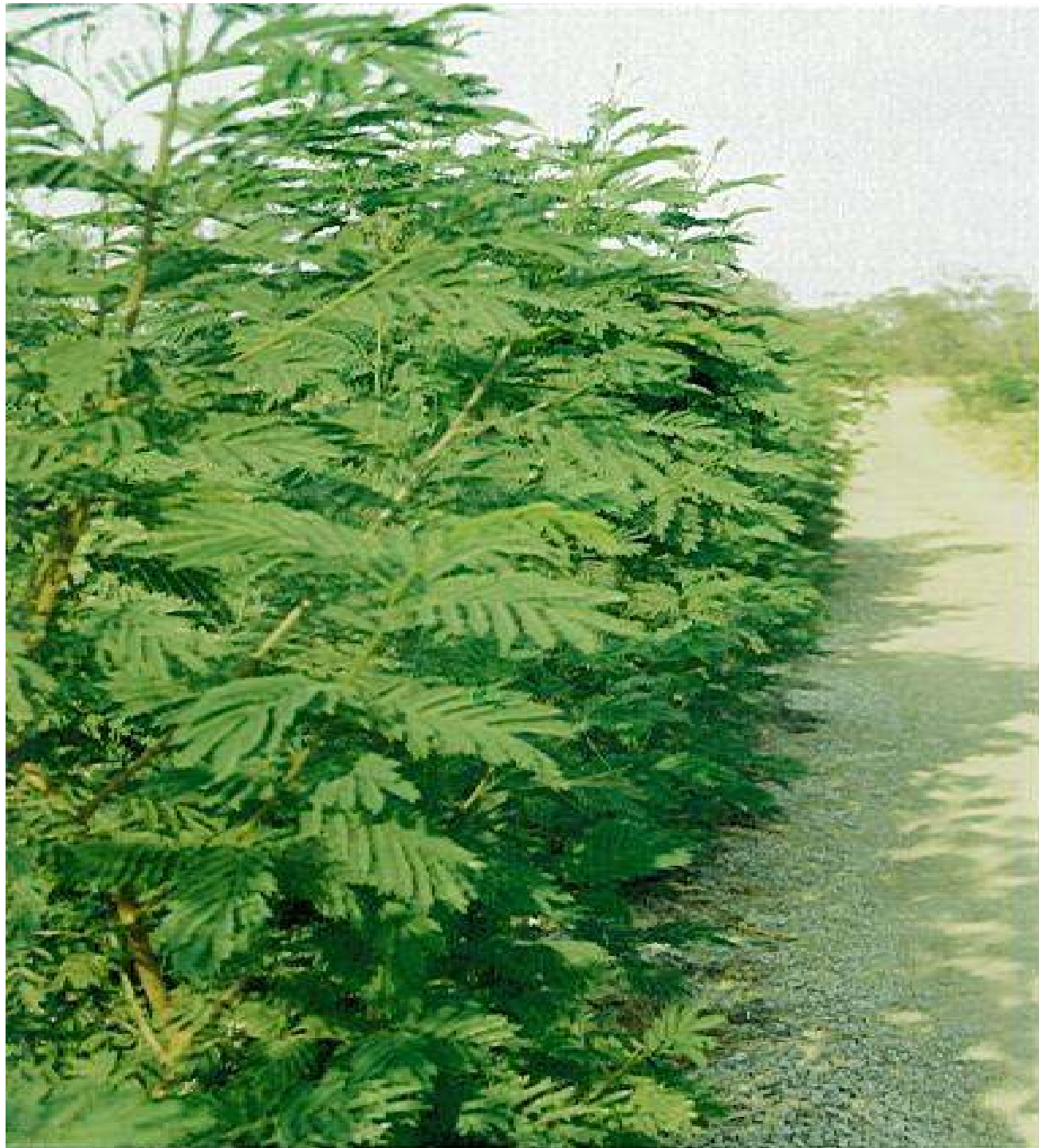






Livestock

Item Details	Present	Future
Villages	40,000	2,00,000
Farmer families	2.5 million	9 million
Large animals	4.5 million	18 million
Small animals	6.4 million	24 million
Potential Million. tons/year	33.50	133.4



HORTICULTURE



Nurturing of fruit trees



Development of land



Intensive cropping



Improving the productivity

ORCHARDS IN PRODUCTION



Cashew with wheat



Grafted tamarind



Budded *Ber* (4th year)



Indian gooseberry